

**Patent Claims**

- 10080716-053002
1. Device for venting a gas bag made of a textile material, especially an airbag, characterized by at least one ignitable pyrotechnic charge which is associated to the gas bag in a region such that, when the pyrotechnic charge is ignited, at least one thread of the textile material in the region of the pyrotechnic charge is destroyed.
  2. Device according to claim 1, characterized in that the pyrotechnic charge is formed as an explosive thread which is introduced into the textile material of the gas bag or applied onto the textile material of the gas bag.
  3. Device according to claim 2, characterized in that the explosive thread comprises an electrically conductive stranded wire which is surrounded by an explosive casing and/or into the interweaving of which an explosive is introduced.
  4. Device according to claim 2, characterized in that the explosive thread comprises a thread made of an electrically conductive explosive material.
  5. Device according to claim 1, characterized in that the pyrotechnic charge comprises a filament and an explosive coating, the filament being introduced into the gas bag or applied onto the gas bag and the explosive coating being applied onto the gas bag in the region of the filament.
  6. Device according to claim 1, characterized in that the pyrotechnic charge comprises an explosive coating made of an electrically conductive explosive which is applied between two connection lines for the pyrotechnic charge onto the gas bag such that the explosive coating electrically contacts the two connection lines.

7. Device according to one of the preceding claims, characterized in that the pyrotechnic charge is associated to the gas bag at an inner side of the gas bag.
- 5 8. Device according to one of the preceding claims, characterized in that several ignitable pyrotechnic charges are arranged in a parallel connection with common connection lines.
- 10 9. Device according to one of the preceding claims, characterized in that connection lines for the ignitable pyrotechnic charge are applied onto the gas bag and/or introduced into the gas bag.
- 15 10. Device according to one of the preceding claims, characterized in that the region of the gas bag in which the pyrotechnic charge is associated to the gas bag is circumscribed by at least one seam.
- 20 11. Passenger restraint system for a vehicle, comprising at least one airbag with a control device, a sensor means for detecting a pressure exerted on the passenger by the airbag, and a device for venting a gas bag according to one of claims 1 to 10, the control device activating the device for venting the gas bag based on a pressure signal detected by the sensor means when a predetermined threshold value is exceeded.
- 25 12. Passenger restraint system according to claim 11, characterized in that the control device evaluates the pressure signal of the sensor means according to the pressure and/or time.
- 30 13. Passenger restraint system according to claim 11 or 12, the device for venting a gas bag being arranged on the airbag in a region which faces away from the passenger when the airbag is released.

10088716.053002

5

10

15

20

25

30

constraint system according to which the system comprises the constraints that are applied onto the architecture.

ADD A1)

2

[illegible]